The Steel Replacement Door Installation Instructions

GENERAL INFORMATION

Read instructions carefully and make sure to have "DON'T FORGET" items and "SUGGESTED TOOLS " before proceeding with installation of Steel Replacement Unit.

DON'T FORGET CHECKLIST

15 EA #6 COMMON NAILS
30 EA #8 FINISH NAILS
15 EA #6 GALVANIZED FINISH NAILS
1 EA TUBE OF EXTERIOR GRADE CAULK
1 PKG WOOD SHIMS *(may be required)*
1 EA ENTRY LOCKSET WITH DEADBOLT

SUGGESTED TOOLS

TAPE MEASURE
UTILITY KNIFE
SMALL PRY BAR
CLAW HAMMER
PHILLIPS HEAD SCREWDRIVER
POWER DRILL/DRIVER
7/8" SPADE BIT
CAULK GUN
SAW
LEVEL

STEP #1 (REMOVE INTERIOR CASING)

1A) Use utility knife to score paint/caulk around existing casing.
1B) Remove carefully using small pry bar (casing may be reused)

STEP #2 (REMOVE EXISTING DOOR & HARDWARE)

TIP: *Removing an existing storm door is not required. Closer arms and wind chains may need to be removed.*
2A) Take existing door out of opening by removing hinge pins or unscrew hinges from frame or door.
2B) Remove all remaining hinge leafs and existing strike plates from frame opening.

STEP #3 (REMOVE EXISTING THRESHOLD)

TIP: *Unit can be applied directly to cement sill or oak threshold if minimum/maximum measurements are met.*
3A) Metal sills or thresholds need to be removed. Cut center of existing sill then use claw hammer or pry bar to remove sill from frame.
3B) Make sure area is clear of dirt and debris to ensure proper caulk surface.

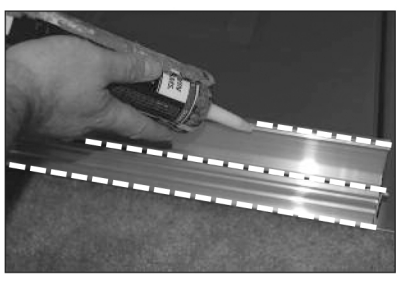

Diagram 1

STEP #4 (SET UNIT INTO OPENING)

TIP: *Before setting unit into opening, measure to ensure sill fits between existing frame. (notching bottom of existing frame may be required for new sill)*
4A) Apply caulk to bottom of sill and carefully set unit ınto opening. (*See Diagram #1*)
4B) Adjust and position unit so it is centered in opening and temporarily secure using four (4) #6 common nails (not provided) through narrow nail slots in frame (additional adjustment may be required in Step #5). *(See Diagram #2)*

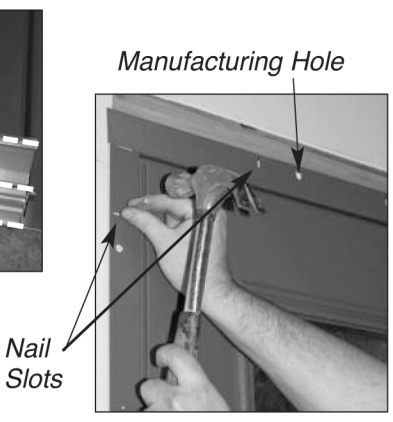

Diagram 2

STEP #5 (SQUARE & SECURE UNIT INTO OPENING)

5A) Remove shipping bracket at this time and open door.
5B) Install security screws (provided) into pre-dimpled holes in frame with power drill. Secure hinge side first. Using level, adjust frame for proper head and strike reveal. (approx. 3/32") *(See Diagram #3)*

Diagram 3

TIP: *Frame adjustments can be done by tightening or loosening the security screws in frame. Wood shims may be required between steel replacement frame and existing frame to keep frame square in opening.*
5C) Apply eleven (11) #6 common nails into remaining nail slots and 1 each security screw (provided) into each hinge hole without screw installed. (3 total per unit)

STEP #6 (LOCKSET HARDWARE INSTALLATION) *(See Diagram #4)*

6A) Install entry set and deadbolt onto door per manufacturer's instructions.
TIP: *To ensure proper latch throw depth may require strike area behind frame drilled with 7/8" spade bit. (See Diagram #5)*
6B) Apply entry lock strike plate on frame (not provided) using two (2) security screws. (provided with installation hardware) *(See Diagram #6)*
6C) Apply deadbolt strike plate (provided) onto frame using security screws.

Diagram 4

Diagram 5

STEP #7 (WEATHERSTRIP STOP INSTALLATION)

NOTE: *Weatherstrip stops must be trimmed to fit your frame opening.*
7A) Start with head stop and cut to full width of frame opening. Latch door and apply stop using three (3) #6 galvanized finish nails (not provided) making sure weatherstrip has solid contact with door. *(See Diagram #7)*
7B) Cut upright stops to length by measuring from top of sill to inside of head stop and apply using six (6) #6 galvanized finish nails per upright. (fasten hinge side upright first)
7C) Once stops are nailed in place, finish by caulking perimeter of stops and sill to ensure no air or water seeps into home. *(See Diagram #8)*
7D) Apply two (2) vinyl corner pads (provided) at bottom corner of frame and to top of threshold cap, behind the weatherstrip to add additional protection from air/water infiltration. *(See Diagram #8)*
7E) If necessary, the threshold cap can be adjusted to ensure even contact between threshold cap and door bottom. Cap is set in its lowest position from factory. *(See Diagram #9)*

Diagram 6

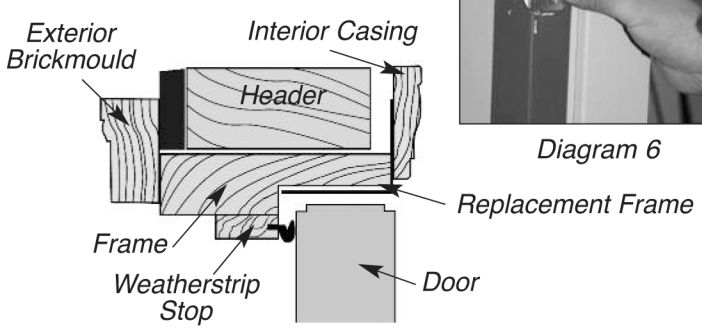

Diagram 7

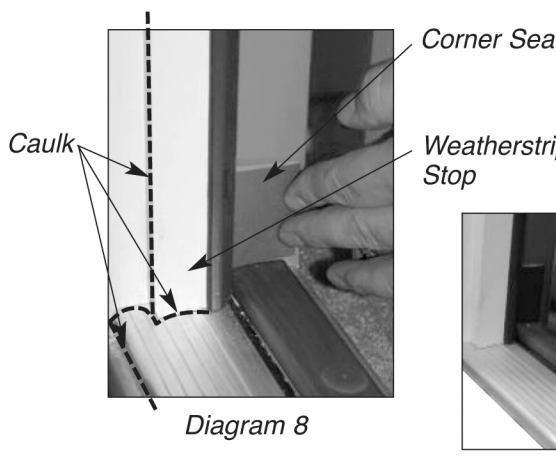

Diagram 8

Diagram 9

STEP #8 (INTERIOR TRIM AND FINISHING)

TIP: *Predrilling of nail pilot holes may be required to secure front edge of casing through replacement frame. (See Diagram #10)*
8A) Apply new or existing casing using thirty (30) #8 finish nails (not provided) – twelve (12) nails per CSG upright and six (6) on CSG head recommended.
8B) Finish door and weatherstrip stops (required) using a quality exterior acrylic latex paint. Prep per paint manufacturer's recommendations to ensure proper paint adhesion and finish.
8C) Finishing replacement frame. (optional) Powder coated finish on frame requires no painting. Frame can be painted using same paint type as door.

Diagram 10

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